

<u>П</u>С.

#6

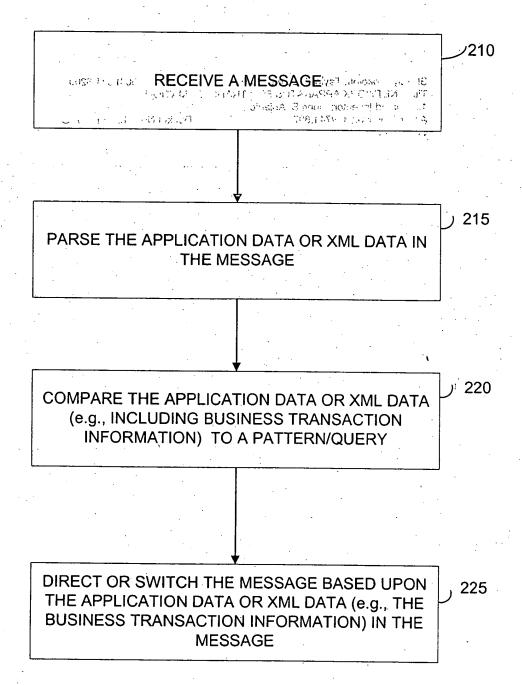


FIG. 2



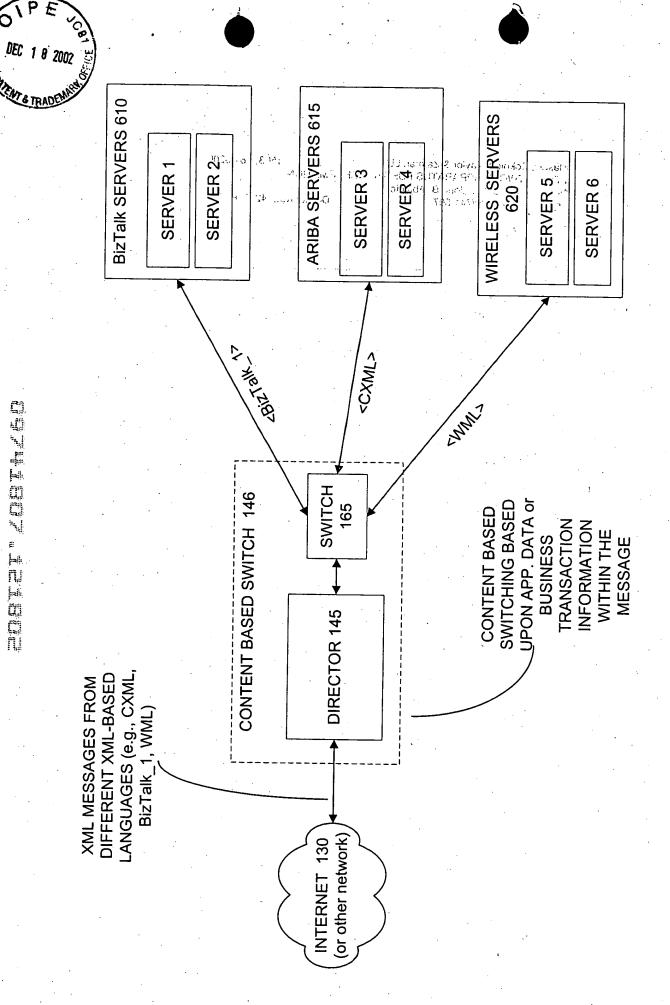
Spydiof Faylor's Cafman D.? CT TOTH OF ARATUS FOR COLUMN UP BARCAMIEJ PMAXA OR DOCUMENT AND (A XML DOCUMENT IN THIS EXAMPLE) **EXTERNAL** COMPONENT **IDENTIFIER 417** <!DOCTYPE hogsforsale "hogs.dtd" [VALIDATION: **INSTRUCTIONS 415 INTERNAL** <!Element Type . . . > (PROVIDING OR COMPONENT <!Element AvgWt...> IDENTIFYING A 419 VALIDATION TEMPLATE) <!Element Quantity . . . > <!Element Price_Hog . . . >] > **EXAMPLE** XML **DOCUMENT** <XML> 410 <Hogs For Sale> <Type> Virginia Hogs </Type> <AvgWt> 110 LBS </Avg Wt> <Quantity> 32 </Quantity> <Price_Hog> 100 <Price_Hog> XML APPLICATION </Hogs For Sale> DATA 420 </XML>

FIG. 4



RECEIVE A MESSAGE OF A PART OF THE STATE OF 510 **OBTAIN A VALIDATION TEMPLATE FOR THE MESSAGE** 515 VALIDATE AT LEAST A PORTION OF THE MESSAGE BASED ON THE VALIDATION TEMPLATE 520 REMOVE VALIDATION INSTRUCTIONS (and/or the validation template) FROM THE MESSAGE 525 SEND VALIDATED MESSAGE TO A PROCESSING NODE OR APPLICATION SERVER 530

FIG. 5



PROCESSING NODES OR APPLICATION SERVERS (e.g., XML APPLICATION SERVERS)

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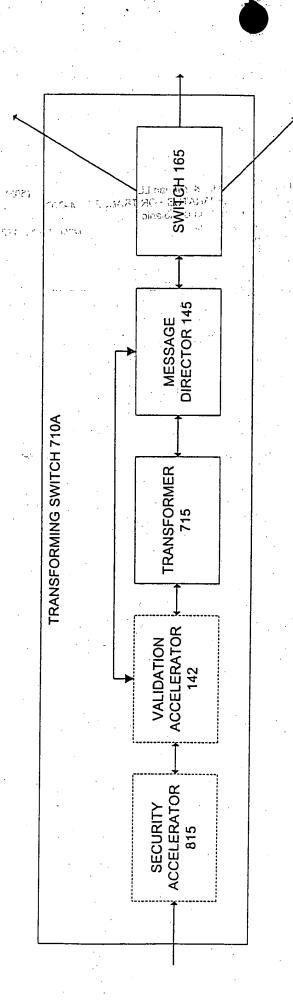


FIG. 8

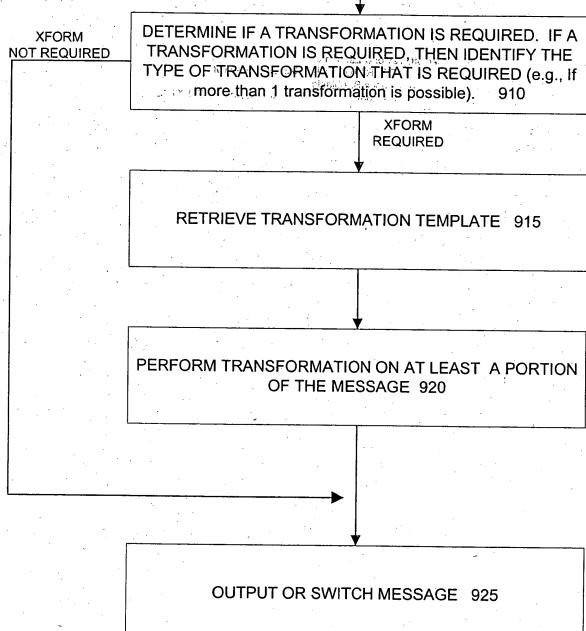


FIG. 9